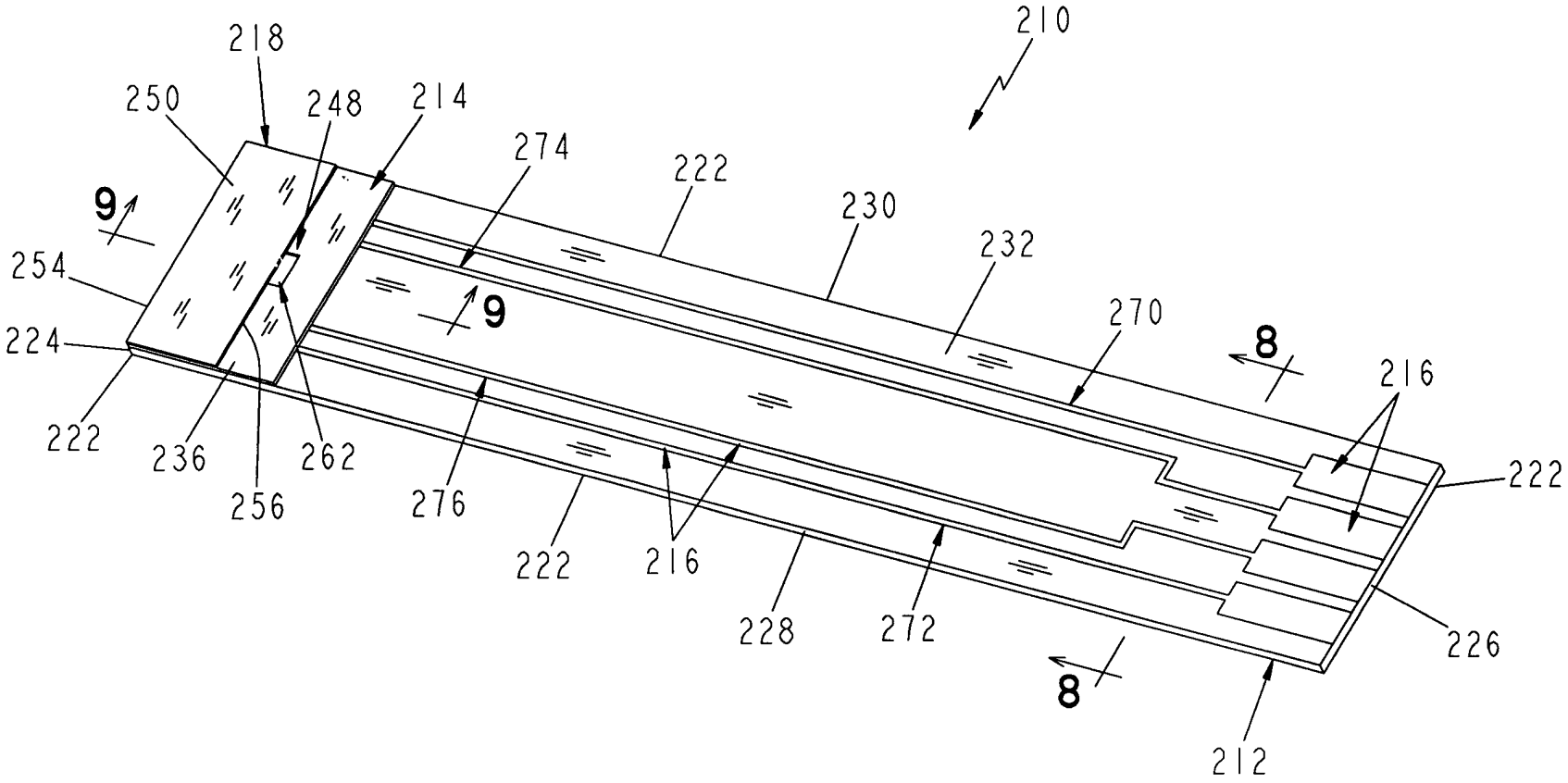
210
218
250
248
214
274
222
230
232
270
216
254
224
222
236
262
256
276
222
216
228
272
226
212
9
9
8
8

FIG. 1

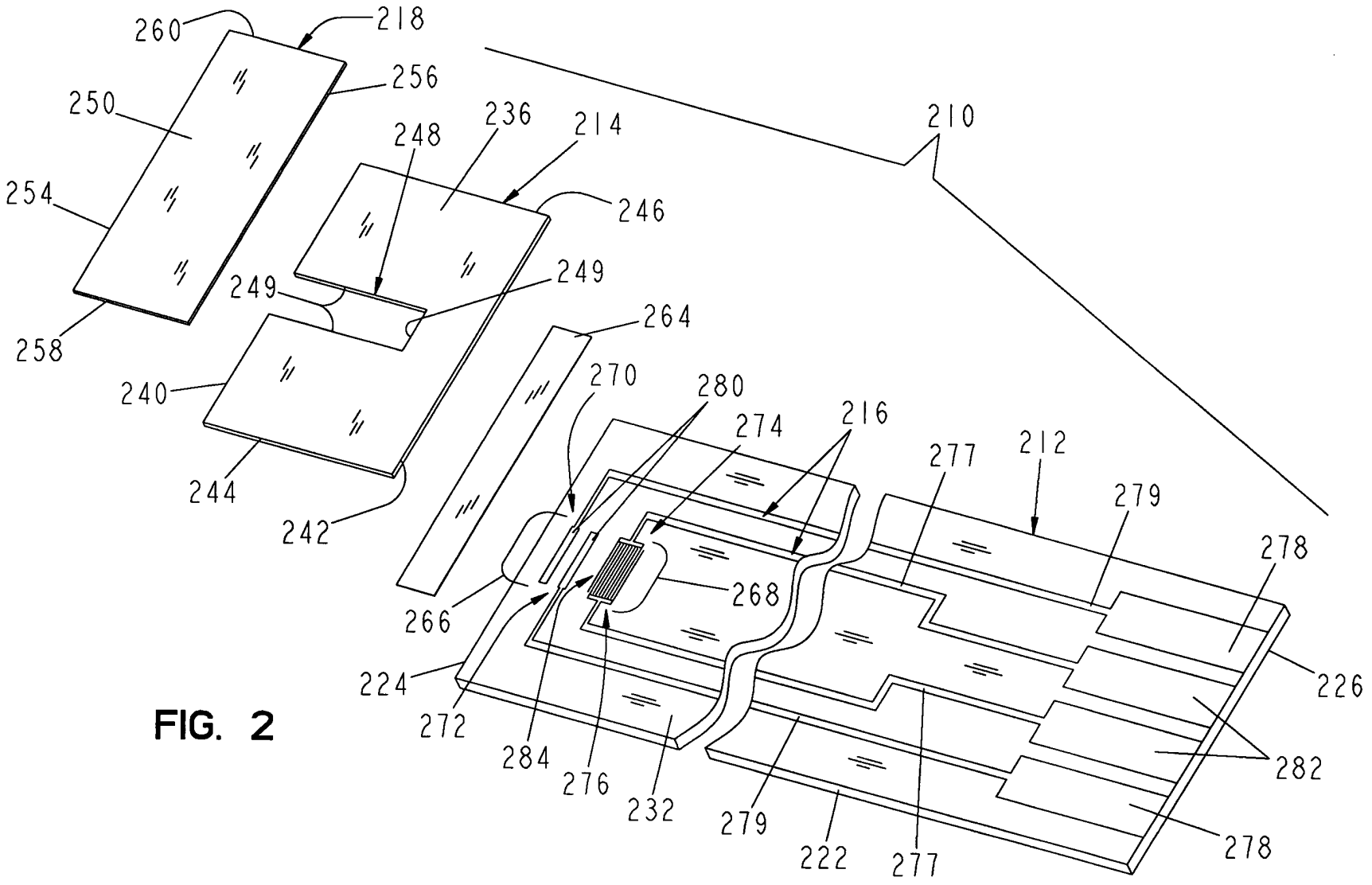
260
218
256
250
248
236
214
210
254
246
249
249
264
258
240
270
280
274
216
277
212
279
278
244
242
268
266
224
226
272
284
276
232
279
282
222
277
278

FIG. 2

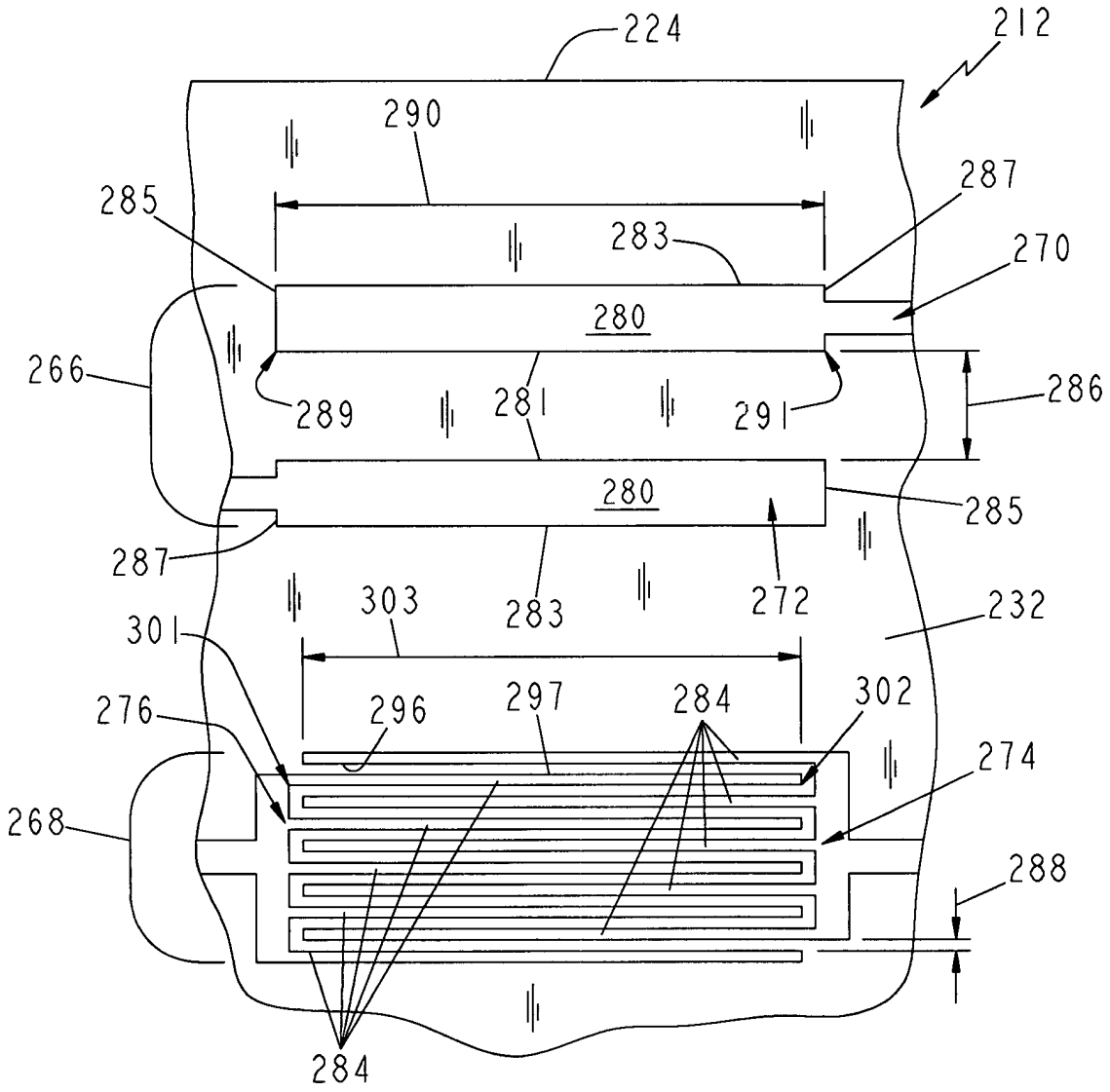
224
212
290
285
287
283
270
280
266
289
281
291
286
280
285
287
303
283
272
232
301
276
296
297
284
302
274
268
288
284

FIG. 3

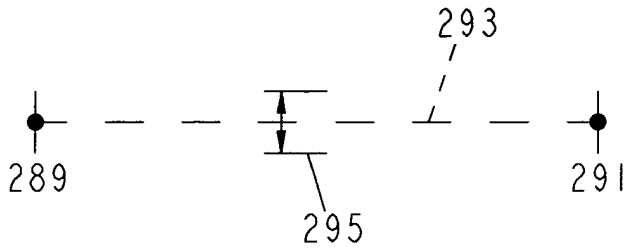

FIG. 4

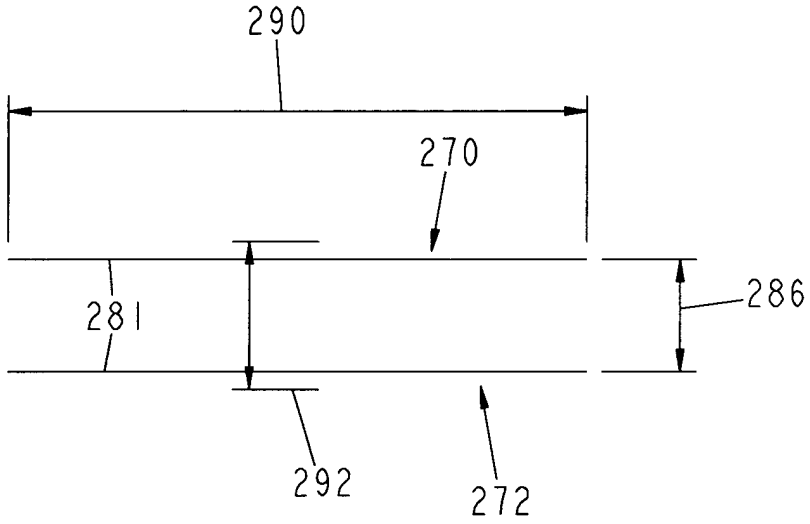

FIG. 5

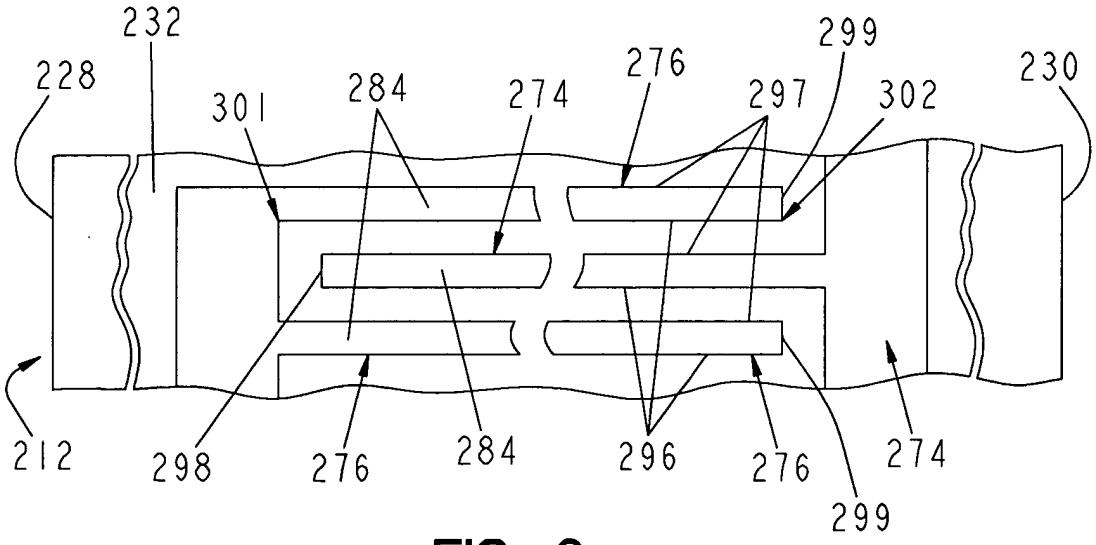

FIG. 6

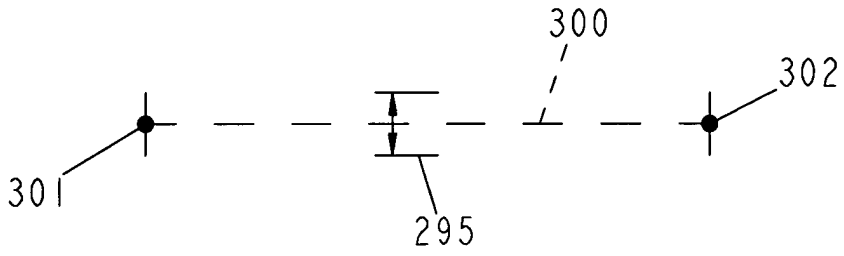

FIG. 7

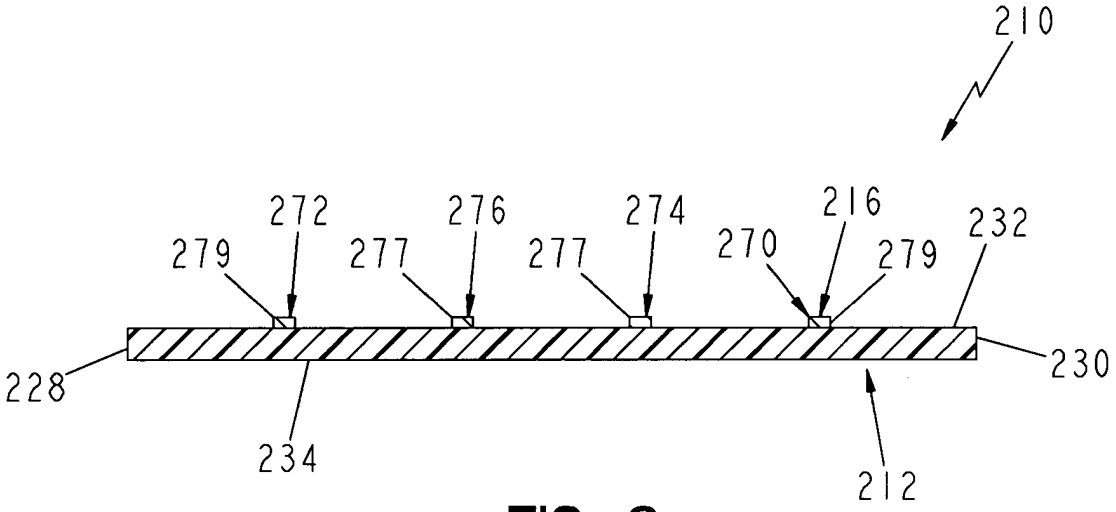

FIG. 8

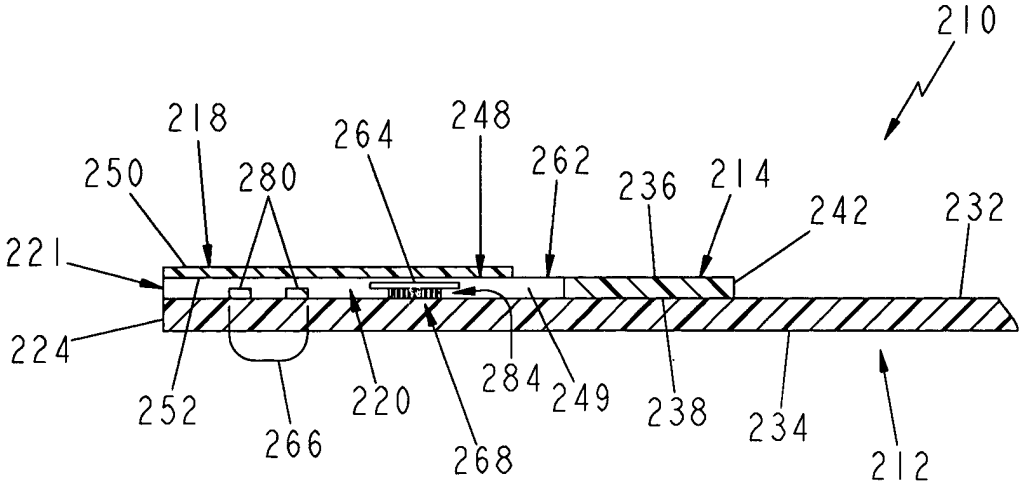

FIG. 9

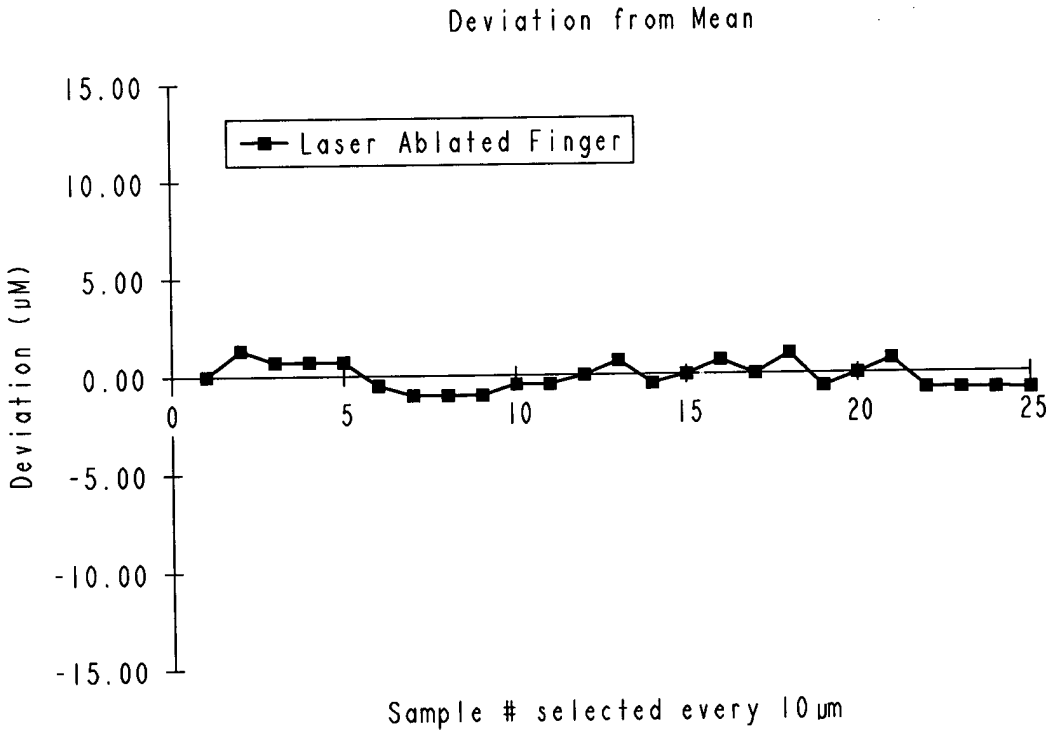
Deviation from Mean
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
Deviation (uM)
Laser Ablated Finger
0
5
10
15
20
25
Sample # selected every 10 um

FIG. 10

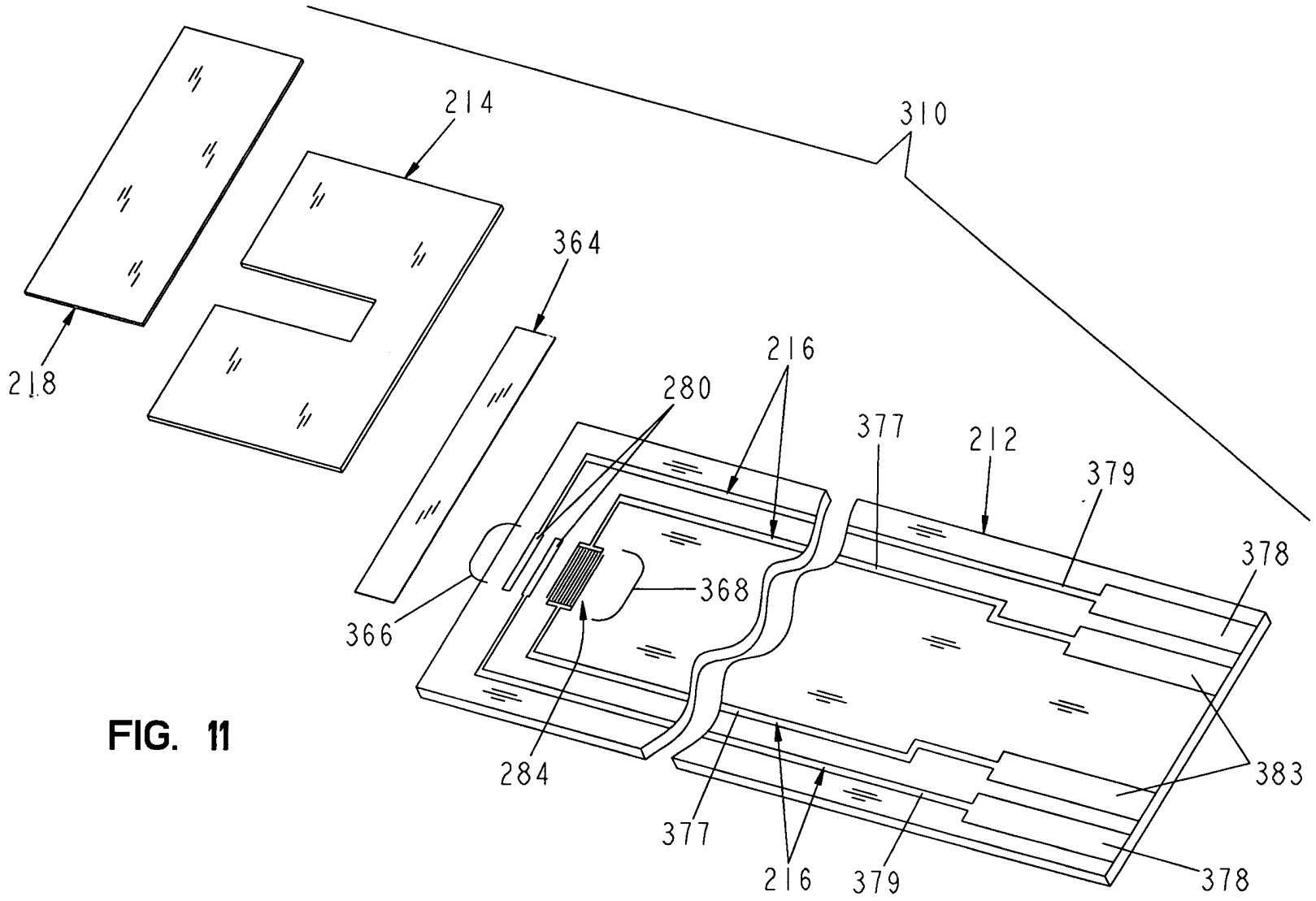
214
310
364
218
216
280
377
212
379
378
368
366
284
377
216
379
378
383

FIG. 11

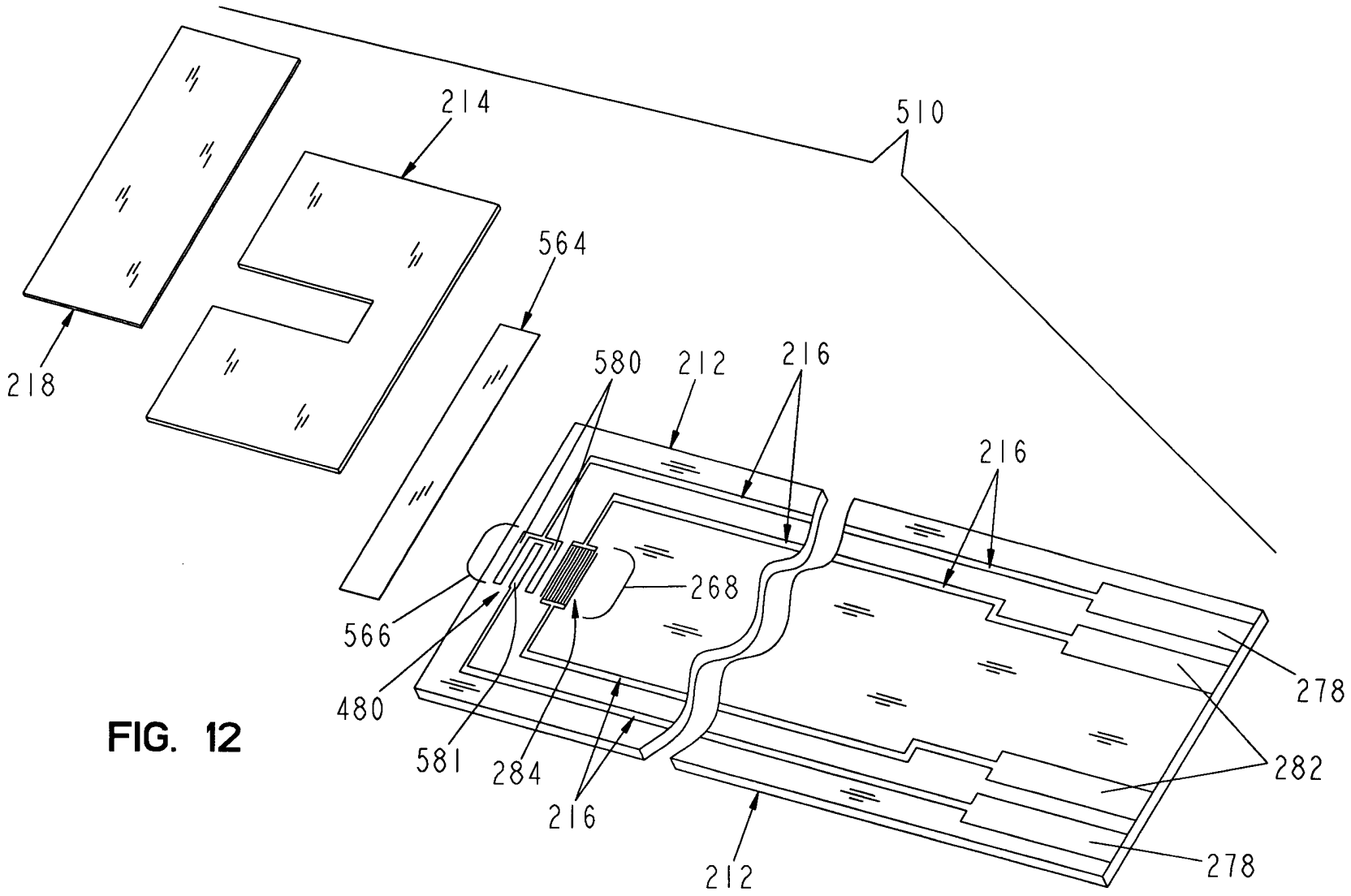
214
510
564
218
580
212
216
216
268
566
480
581
284
216
212
278
282
278

FIG. 12

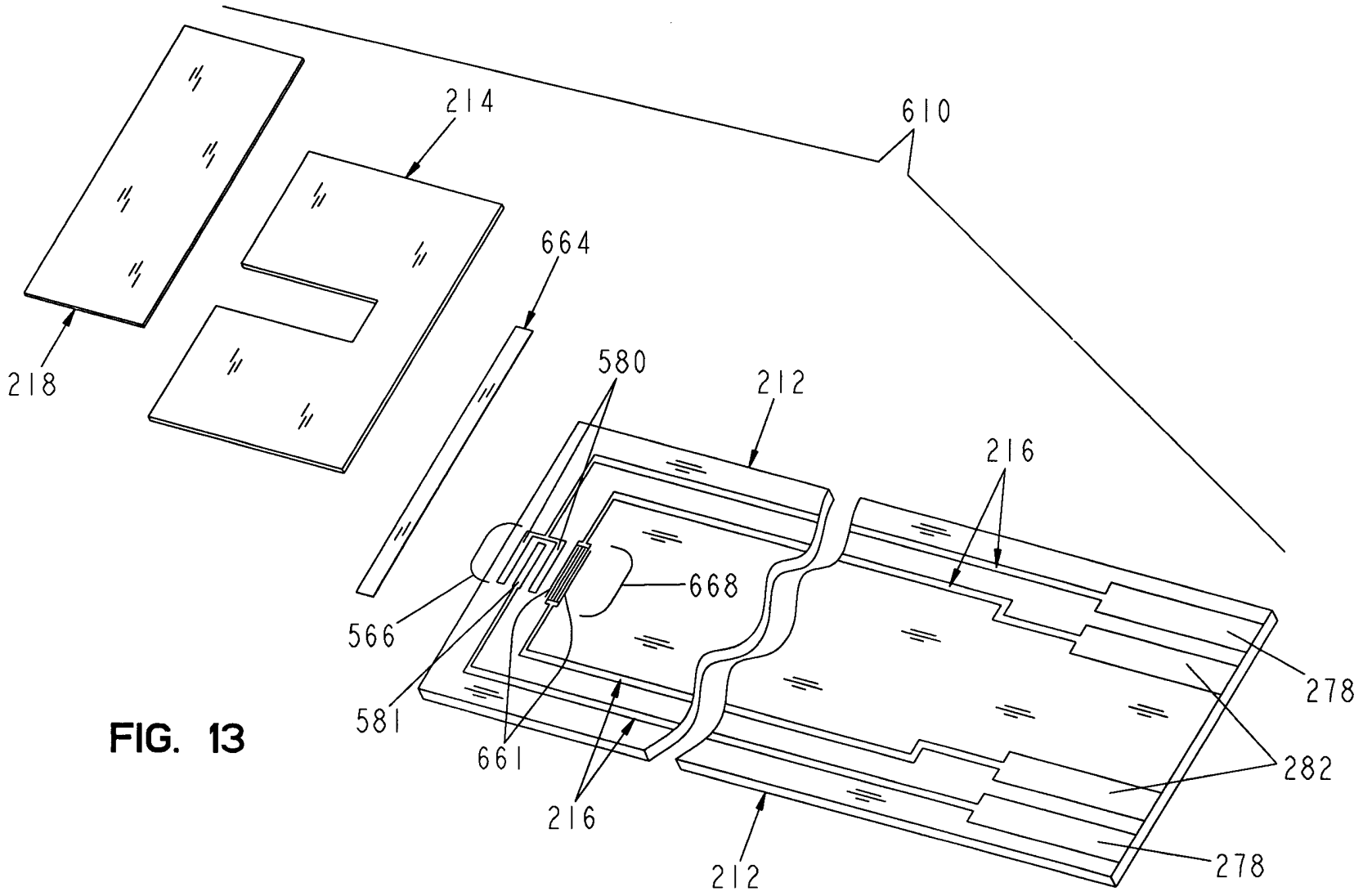

FIG. 13

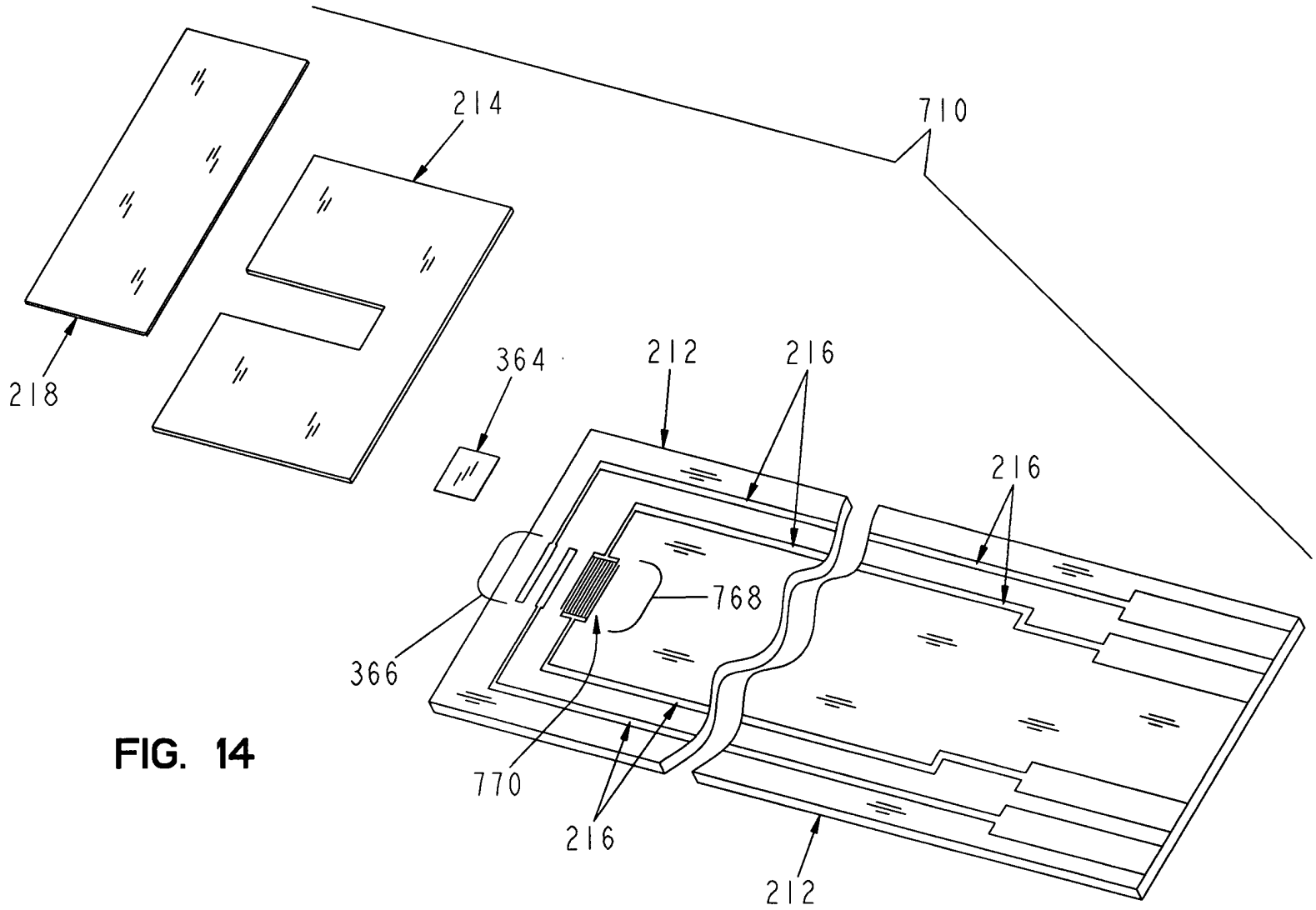

FIG. 14

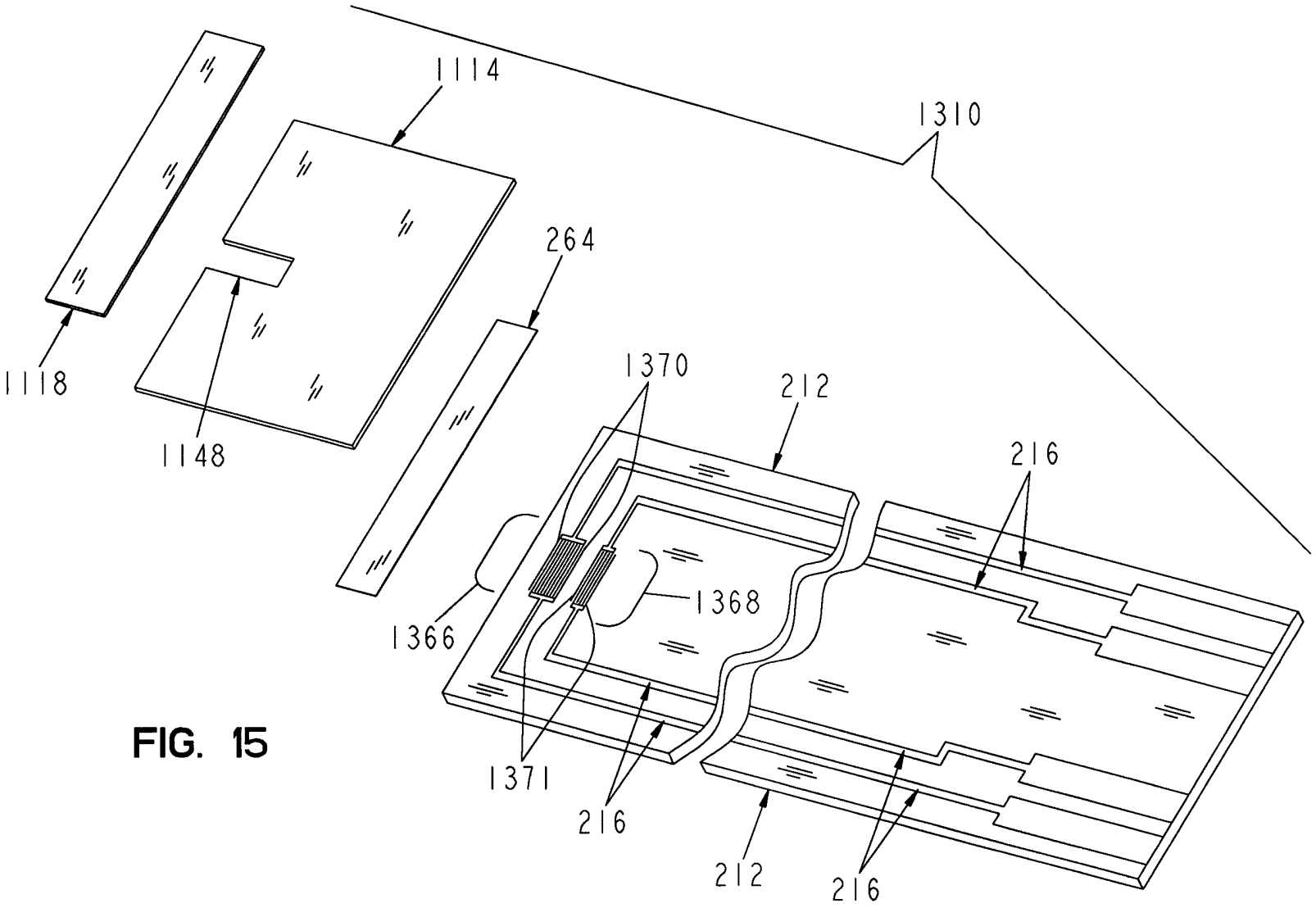
1114
1310
264
1118
1148
1370
212
216
1368
1366
1371
216
212
216

FIG. 15

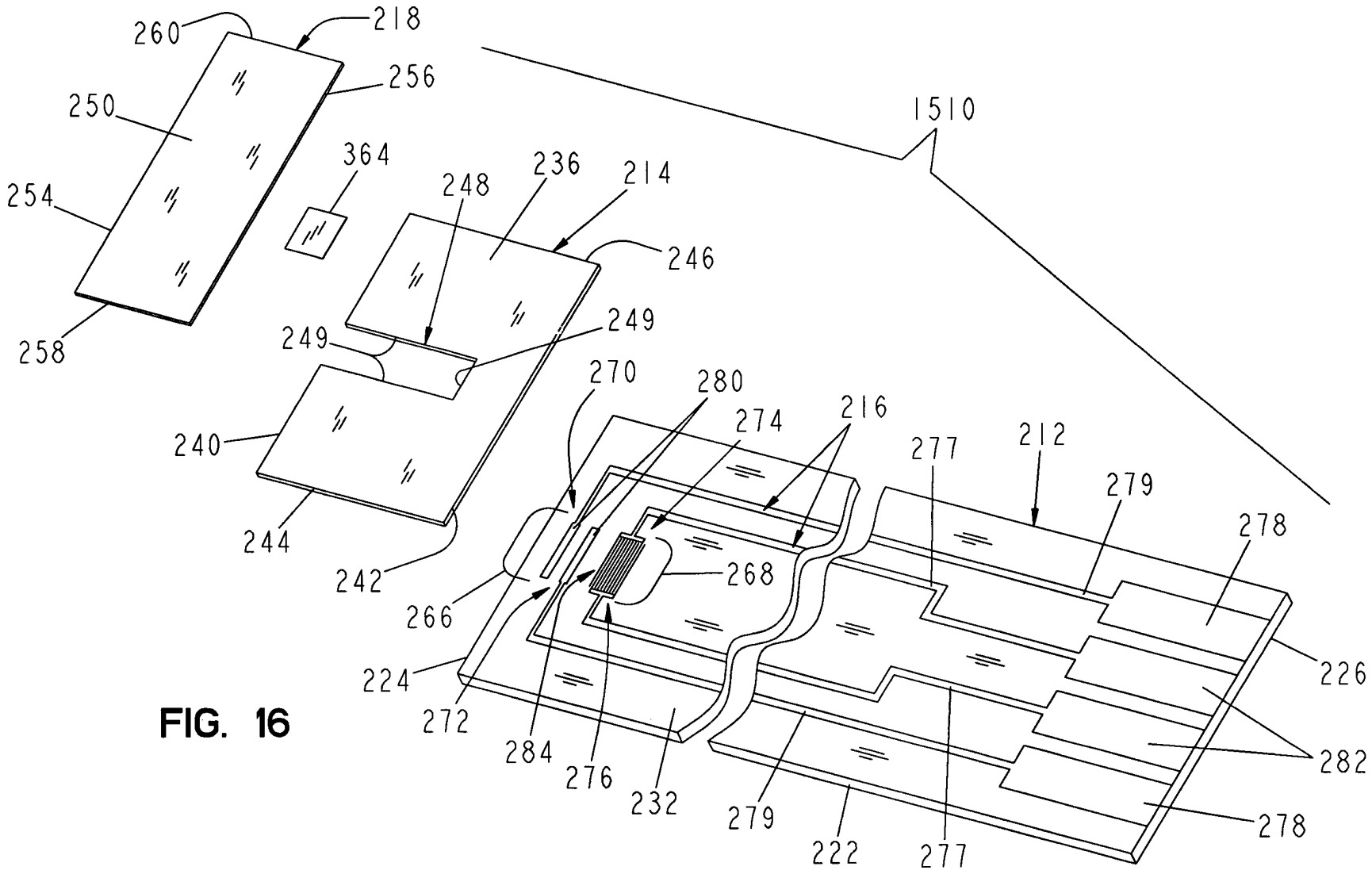
260
218
256
250
254
364
248
236
214
246
258
249
249
240
270
280
274
216
277
212
279
278
244
242
268
266
224
226
272
284
276
232
279
282
222
277
278
1510

FIG. 16

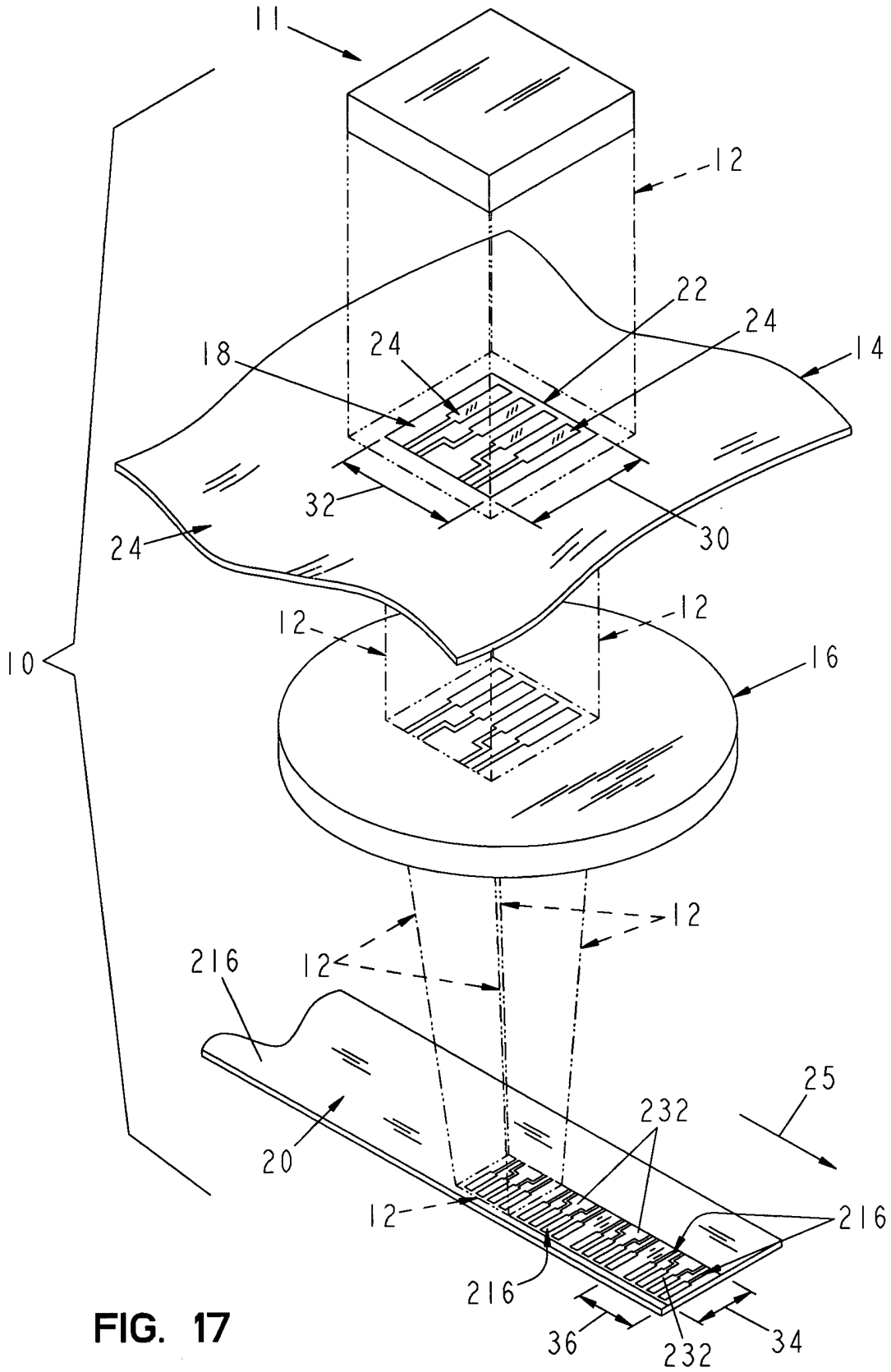
11
12
22
24
18
24
14
32
30
24
12
12
16
10
12
12
216
12
25
232
20
216
12
216
36
232
34

FIG. 17

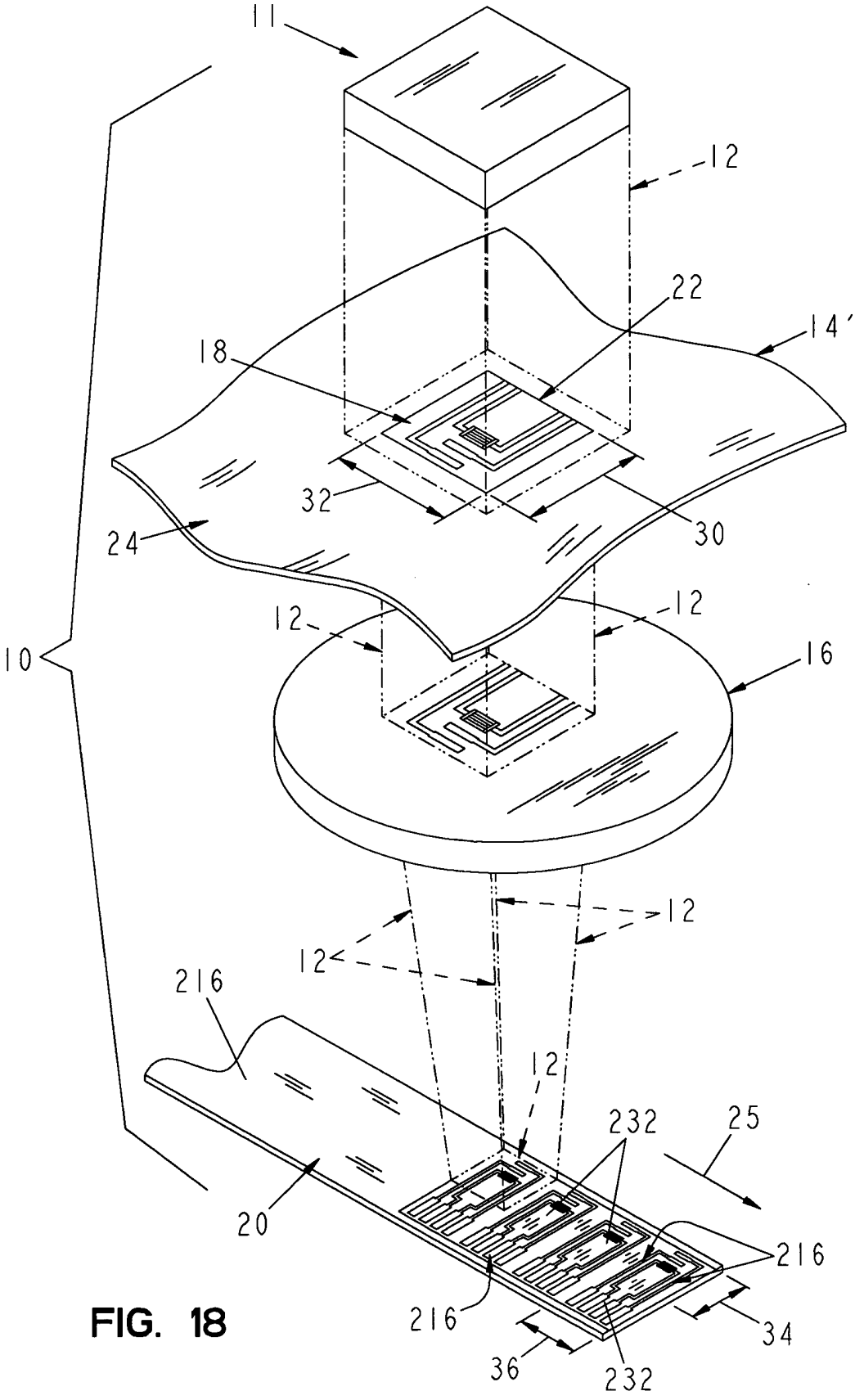
11
12
22
14'
18
32
30
24
10
12
12
16
12
12
12
216
25
232
20
216
216
34
36
232

FIG. 18

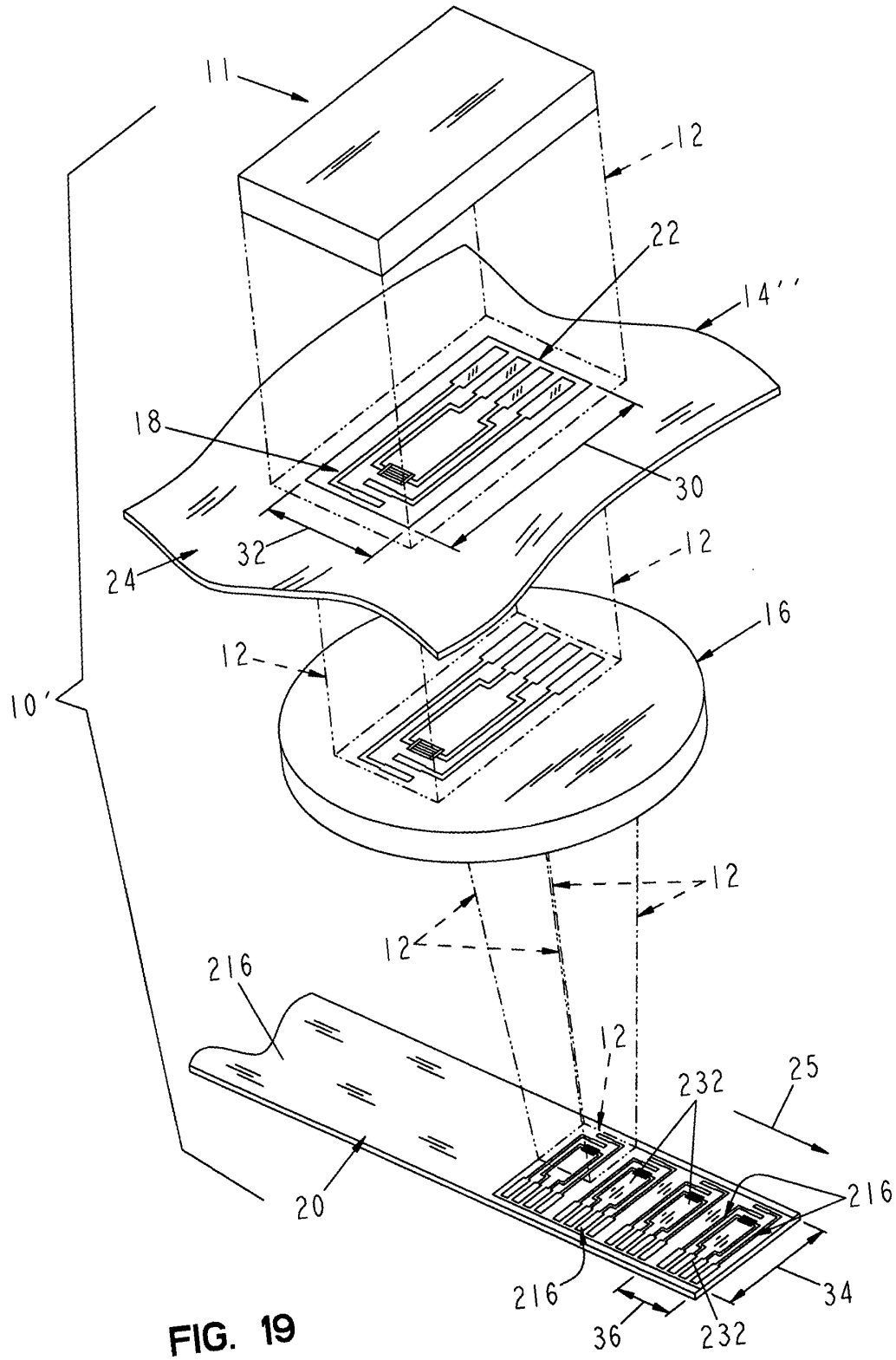
11
12
22
14''
18
30
32
24
12
16
12
10'
12
12
216
12
232
25
216
20
216
34
36
232

FIG. 19

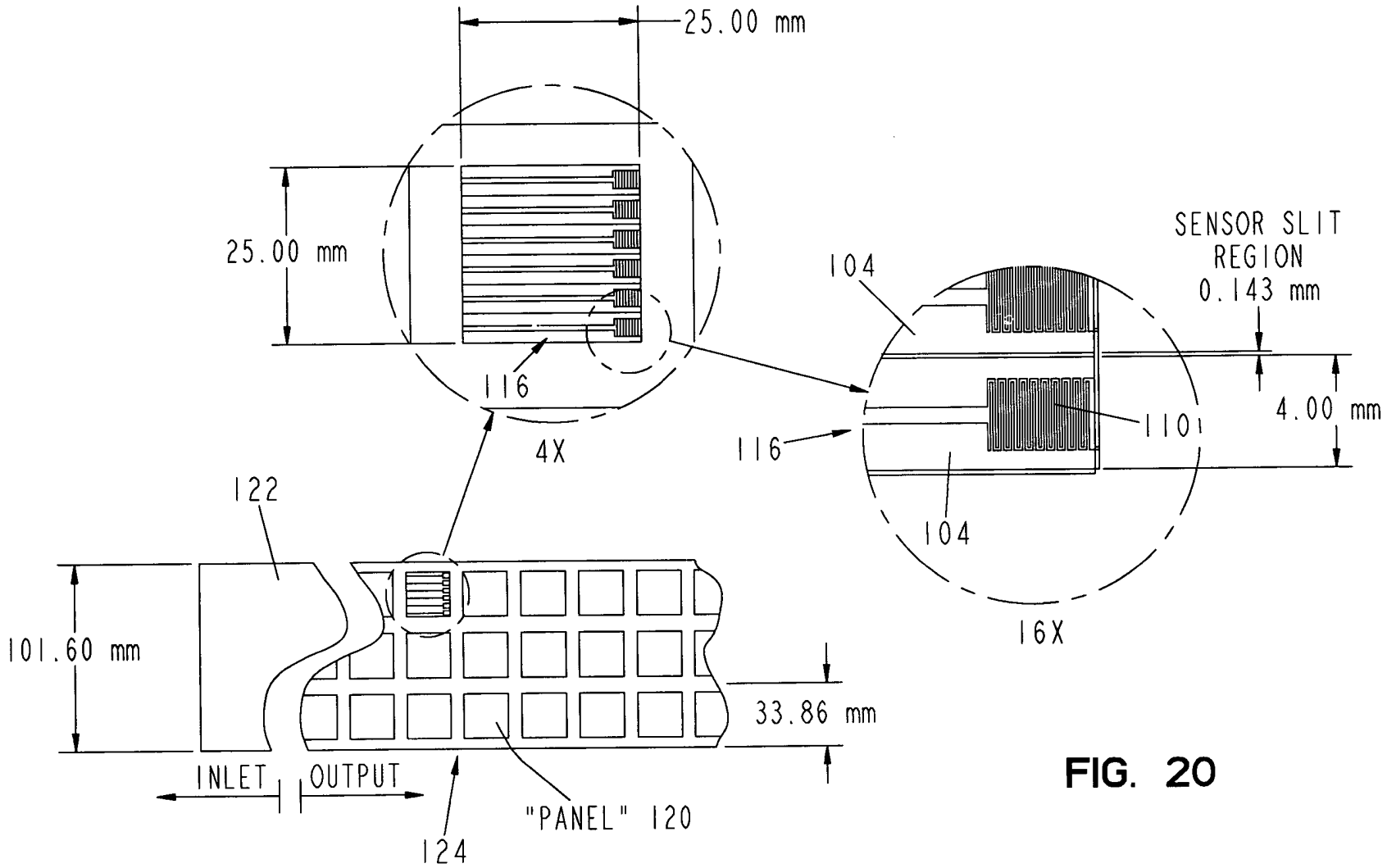
25.00 mm
25.00 mm
116
4X
104
SENSOR SLIT
REGION
0.143 mm
4.00 mm
110
116
104
16X
122
101.60 mm
33.86 mm
INLET
OUTPUT
"PANEL" 120
124

FIG. 20

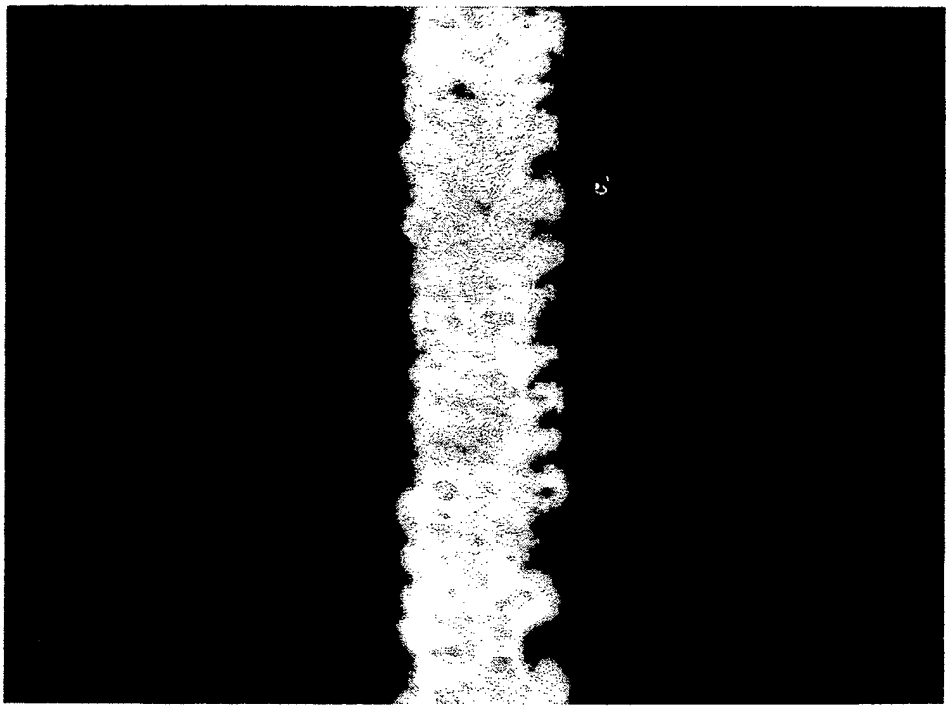

FIG. 21

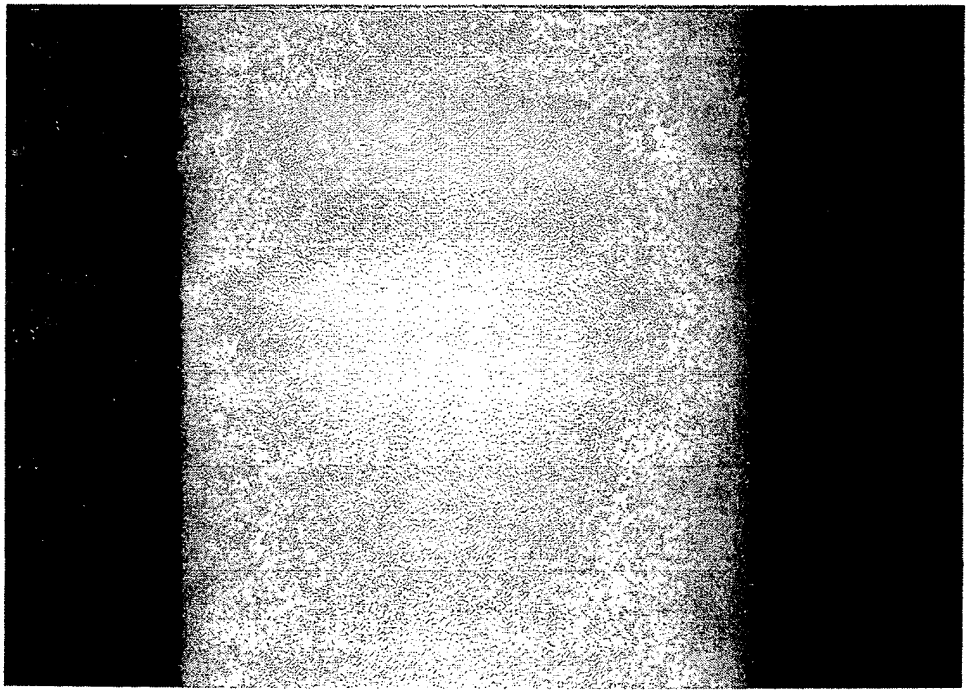

FIG. 22